

Appl. No.: 10/027,447
Response dated November 17, 2003
Reply to Office action of August 18, 2003

Amendments to the Claims:

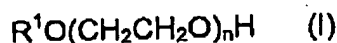
This listing of claims will replace all prior versions, and listings, of claims in the application:.

Listing of Claims:

Claims 1-10 (cancelled)

11. (currently amended) A detergent composition comprising a surfactant mixture, the surfactant mixture containing:

(a) a nonionic surfactant corresponding to formula (I):



wherein R^1 is a hydrocarbon radical having from about 16 to 18 carbon atoms and n is a number from about 5 to 10, and wherein the nonionic surfactant has an iodine value of from about 20 to 50, and a carbon chain length distribution corresponding to:

(i) from about 55 to 65% by weight of C_{16} saturated;

(ii) from about 2 to 10% by weight of C_{18} saturated;

(iii) from about 25 to 30% by weight of C_{18} monounsaturated; and

(iv) from about 1 to 5% by weight of C_{18} di-unsaturated.

with the proviso that the amounts, together with small amounts of shorter-chain and/or longer-chain homologues, add up to 100% by weight; and

(b) a co-surfactant selected from the group consisting of an alkyl oligoglycoside, an alkenyl oligoglycoside, an alkyl ether sulfate, and mixtures thereof.

12. (cancelled).

13. (currently amended) The composition of claim 11 wherein the nonionic surfactant has the following carbon chain length distribution:

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- (a) about 60% by weight of C₁₈ saturated;
- (b) about 5% by weight of C₁₈ saturated;
- (c) about 28% by weight of C₁₈ mono-unsaturated; and
- (d) about 3% by weight of C₁₈ di-unsaturated,

with the proviso that the amounts, together with small amounts of shorter-chain and/or longer-chain homologues, add up to 100% by weight.

14. (previously presented) The composition of claim 11 wherein the nonionic surfactant is derived from a palm stearin raw material.

15. (previously presented) The composition of claim 11 wherein in formula (I), n is 8.

16. (previously presented) The composition of claim 11 wherein the nonionic surfactant has an iodine value of from about 30 to 40.

17. (previously presented) The composition of claim 11 wherein the nonionic surfactant and co-surfactant are present in the composition in a ratio by weight of from about 60:40 to 40:60.

18. (previously presented) The composition of claim 11 wherein the surfactant mixture is present in the composition in an amount of from about 1 to 50% by weight, based on the weight of the composition.

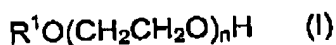
19. (previously presented) The composition of claim 11 wherein the surfactant mixture is present in the composition in an amount of from about 5 to 40% by weight, based on the weight of the composition.

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20. (currently amended) The composition of claim 11 wherein the composition contains up to about 5% by weight, based on the weight of the composition, of water.

21. (currently amended) A process for enhancing cold water solubility of a laundry detergent comprising adding an effective amount of a surfactant mixture to the laundry detergent, the surfactant mixture containing:

(a) a nonionic surfactant corresponding to formula (I):



wherein R^1 is a hydrocarbon radical having from about 16 to 18 carbon atoms and n is a number from about 5 to 10, and wherein the nonionic surfactant has an iodine value of from about 20 to 50, and having a carbon chain length distribution corresponding to:

(i) from about 55 to 65% by weight of C_{18} saturated;

(ii) from about 2 to 10% by weight of C_{18} saturated;

(iii) from about 25 to 30% by weight of C_{18} monounsaturated; and

(iv) from about 1 to 5% by weight of C_{18} di-unsaturated,

with the proviso that the amounts, together with small amounts of shorter-chain and/or longer-chain homologues, add up to 100% by weight; and

(b) a co-surfactant selected from the group consisting of an alkyl oligoglycoside, an alkenyl oligoglycoside, an alkyl ether sulfate, and mixtures thereof.

22. (cancelled).

23. (currently amended) The process of claim 21 wherein the nonionic surfactant has the following carbon chain length distribution:

(a) about 60% by weight of C_{18} saturated;

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- (b) about 5% by weight of C_{18} saturated;
- (c) about 28% by weight of C_{18} mono-unsaturated; and
- (d) about 3% by weight of C_{18} di-unsaturated.

with the proviso that the amounts, together with small amounts of shorter-chain and/or longer-chain homologues, add up to 100% by weight.

24. (previously presented) The process of claim 21 wherein the nonionic surfactant is derived from a palm stearin raw material.

25. (previously presented) The process of claim 21 wherein in formula (I), n is 8.

26. (previously presented) The composition of claim 21 wherein the nonionic surfactant has an iodine value of from about 30 to 40.

27. (previously presented) The process of claim 21 wherein the nonionic surfactant and co-surfactant are present in the composition in a ratio by weight of from about 60:40 to 40:60.

28. (previously presented) The process of claim 21 wherein the surfactant mixture is added to the composition in an amount of from about 1 to 50% by weight, based on the weight of the composition.

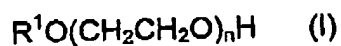
29. (previously presented) The process of claim 21 wherein the surfactant mixture is added to the composition in an amount of from about 5 to 40% by weight, based on the weight of the composition.

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30. (currently amended) The process of claim 21 wherein the composition contains up to about 5% by weight, based on the weight of the composition, of water.

31. (currently amended) A process for cleaning textiles comprising contacting the textiles with a laundry detergent composition containing a surfactant mixture, the surfactant mixture comprising:

(a) a nonionic surfactant corresponding to formula (I):



wherein R^1 is a hydrocarbon radical having from about 16 to 18 carbon atoms and n is a number from about 5 to 10, and wherein the nonionic surfactant has an iodine value of from about 20 to 50, and having a carbon chain length distribution corresponding to:

(i) from about 55 to 65% by weight of C_{16} saturated;

(ii) from about 2 to 10% by weight of C_{18} saturated;

(iii) from about 25 to 30% by weight of C_{18} monounsaturated; and

(iv) from about 1 to 5% by weight of C_{18} di-unsaturated,

with the proviso that the amounts, together with small amounts of shorter-chain and/or longer-chain homologues, add up to 100% by weight; and

(b) a co-surfactant selected from the group consisting of an alkyl oligoglycoside, an alkenyl oligoglycoside, an alkyl ether sulfate, and mixtures thereof.